

Data File : VU030813.D  
Acq On : 06 Apr 2019 20:08  
Operator : JC/SP  
Sample : K2299-05  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB6X9

Quant Time: Apr 08 05:07:42 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 05:01:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 464408   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 464098   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 189628   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 218647   | 52.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 105.48% |
| 7) Chloroethane-d5             | 1.68    | 69    | 170000   | 54.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 108.06% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 301781   | 40.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.50%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 341116   | 103.82   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.82% |
| 24) Chloroform-d               | 4.64    | 84    | 325479   | 51.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.80% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 230653   | 53.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.76% |
| 32) Benzene-d6                 | 5.34    | 84    | 680095   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.40% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 234550   | 50.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.04% |
| 41) Toluene-d8                 | 7.56    | 98    | 577265   | 48.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.14%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 100266   | 47.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.72%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 209575   | 98.76    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.76%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 303483   | 48.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.92%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 196049   | 52.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.14% |

#### Target Compounds

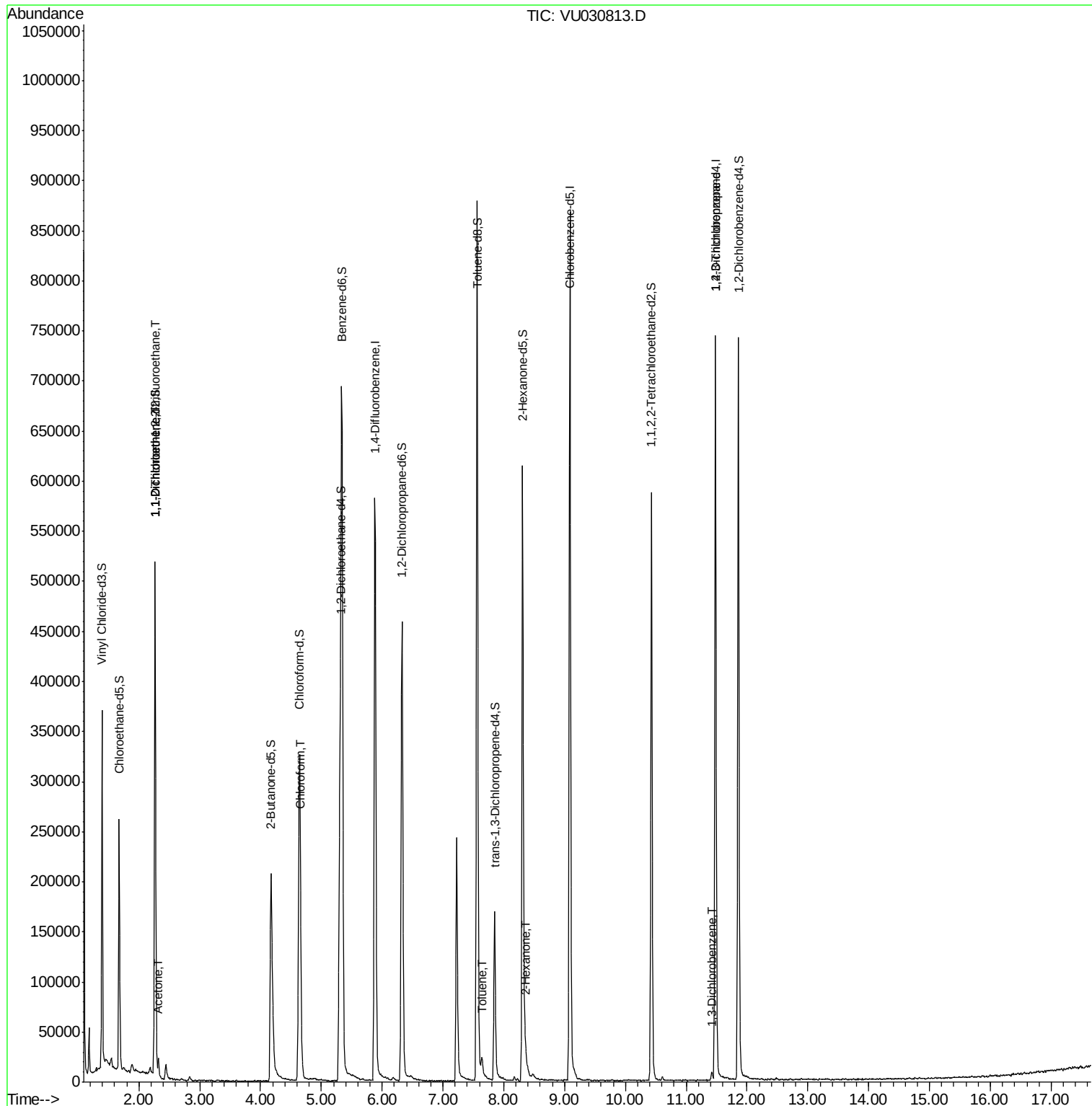
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 2397  | 0.721 ug/L # | 22     |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 2309  | 0.719 ug/L # | 1      |
| 13) Acetone                    | 2.32  | 43  | 16127 | 4.797 ug/L   | 99     |
| 25) Chloroform                 | 4.67  | 83  | 12848 | 1.817 ug/L   | 97     |
| 42) Toluene                    | 7.64  | 91  | 11788 | 0.760 ug/L   | 85     |
| 48) 2-Hexanone                 | 8.36  | 43  | 6353  | 1.177 ug/L # | 67     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 25234 | 4.899 ug/L   | 93     |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146 | 3306  | 0.552 ug/L   | 94     |

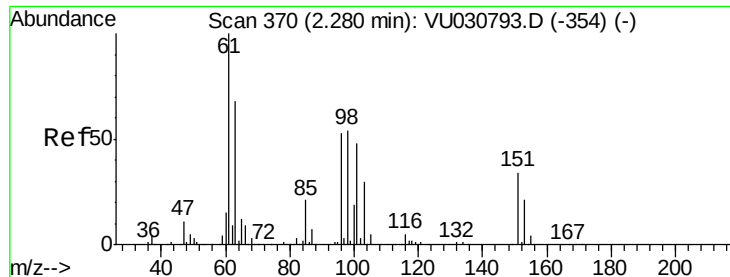
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.721 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

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Instrument :

MSVOA\_U

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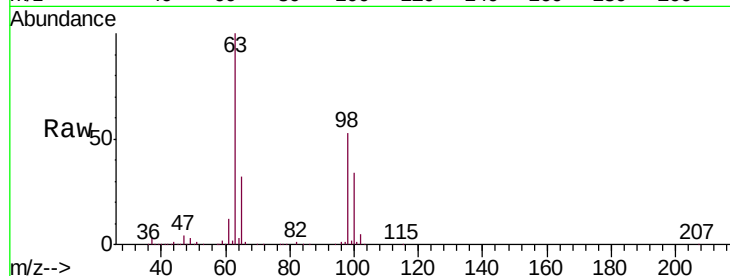
Tgt Ion: 101 Resp: 2397

Ion Ratio Lower Upper

101 100

85 2.2 36.8 55.2#

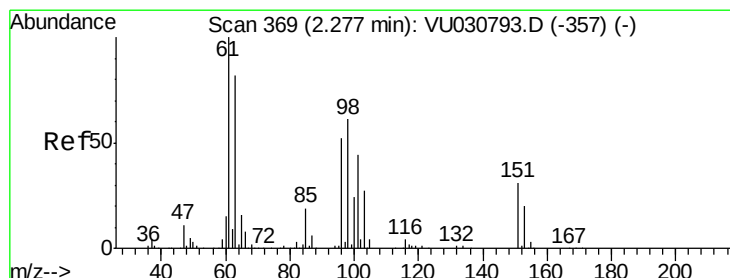
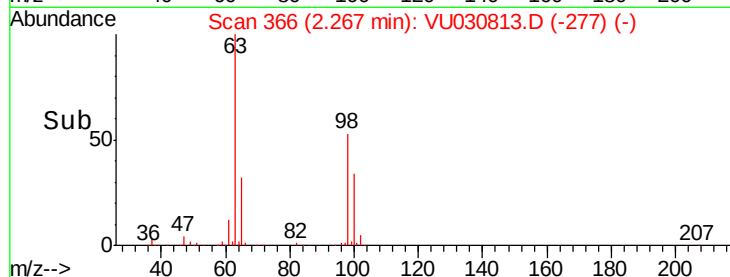
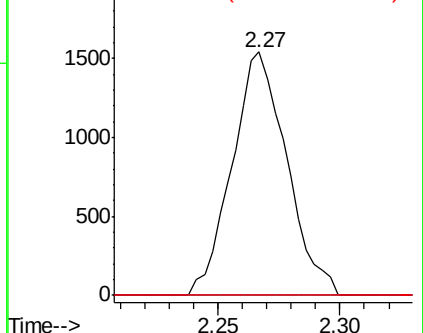
151 0.0 57.4 86.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.719 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030813.D

Acq: 06 Apr 2019 20:08

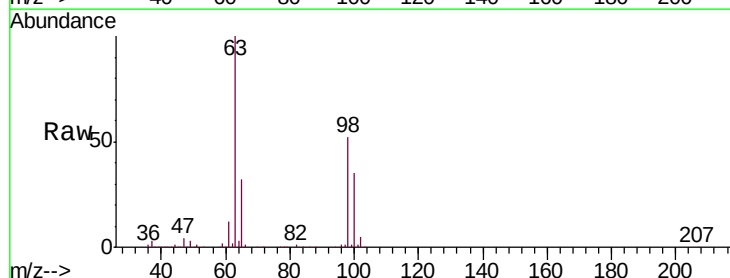
Tgt Ion: 96 Resp: 2309

Ion Ratio Lower Upper

96 100

61 1507.9 132.0 245.2#

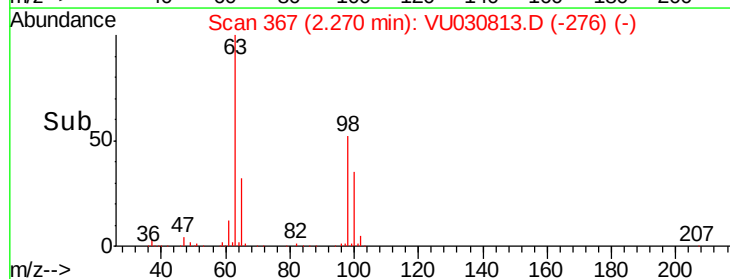
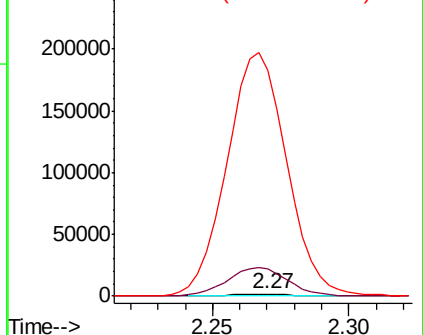
63 12446.9 90.9 168.9#

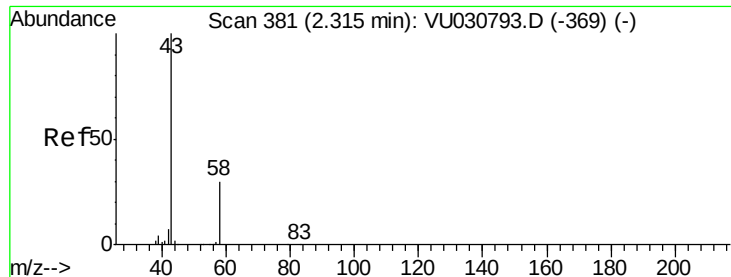


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.797 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030813.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA\_U

ClientSampleId :

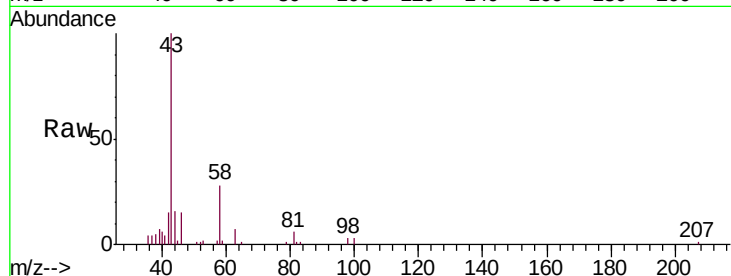
DB6X9

Tgt Ion: 43 Resp: 16127

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.0



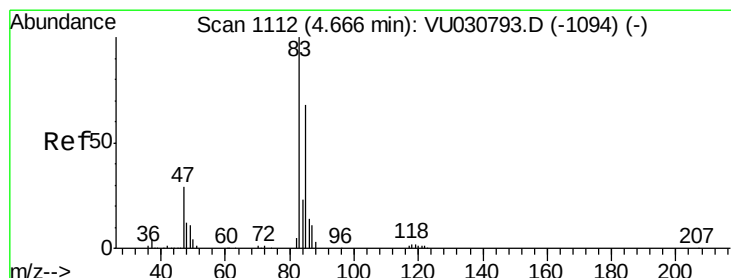
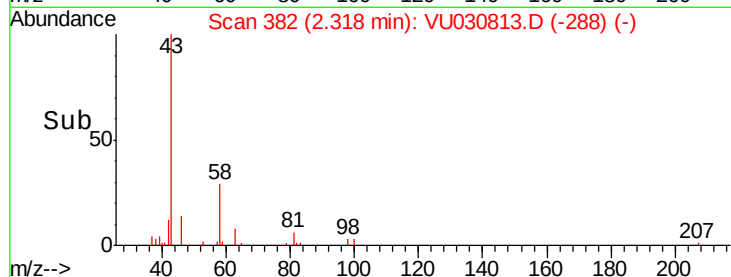
Abundance Ion 43.00 (42.70 to 43.70): VU030793.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU030793.D (-369) (-)

2.32

2.35

Time-->



#25

Chloroform

Concen: 1.817 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU030813.D

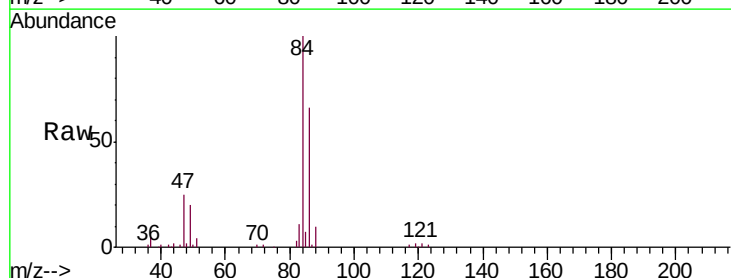
Acq: 06 Apr 2019 20:08

Tgt Ion: 83 Resp: 12848

Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.0



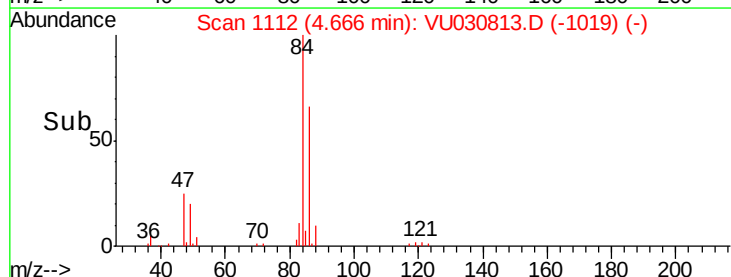
Abundance Ion 83.00 (82.70 to 83.70): VU030793.D (-1094) (-)

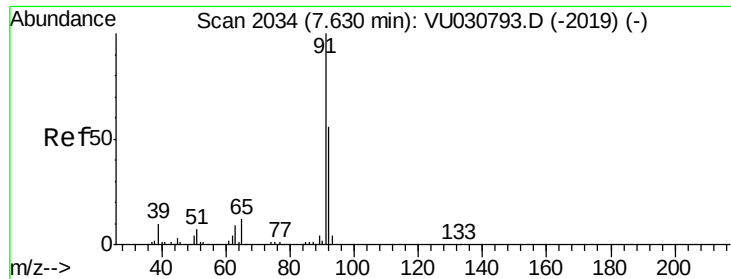
Ion 85.00 (84.70 to 85.70): VU030793.D (-1094) (-)

4.67

4.75

Time-->





#42

Toluene

Concen: 0.760 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU030813.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA\_U

ClientSampleId :

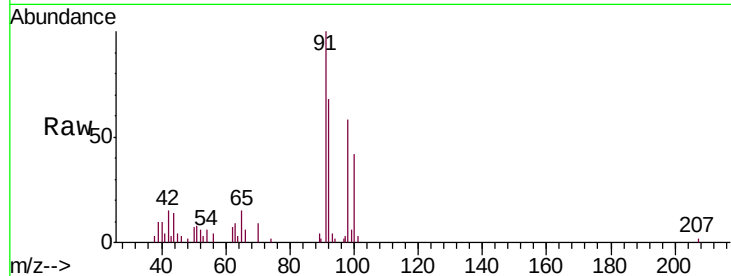
DB6X9

Tgt Ion: 91 Resp: 11788

Ion Ratio Lower Upper

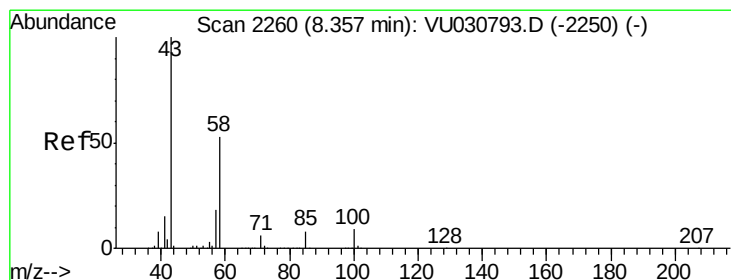
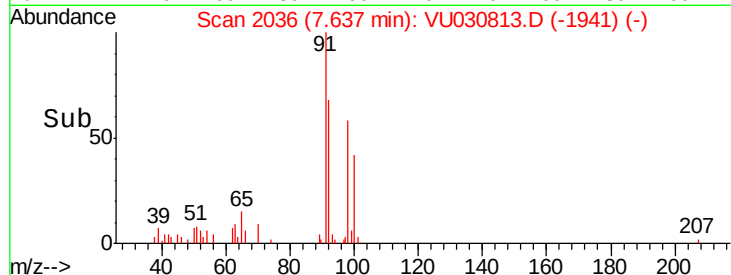
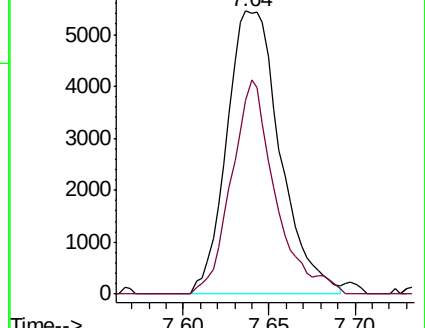
91 100

92 68.4 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU030813.D (-2167) (-)

Ion 92.00 (91.70 to 92.70): VU030813.D (-2167) (-)



#48

2-Hexanone

Concen: 1.177 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU030813.D

Acq: 06 Apr 2019 20:08

Tgt Ion: 43 Resp: 6353

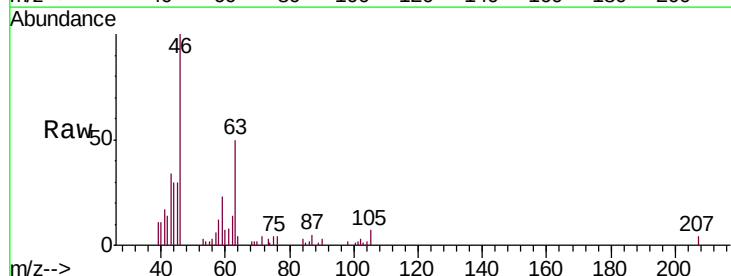
Ion Ratio Lower Upper

43 100

58 29.2 41.9 62.9#

57 0.0 14.3 21.5#

100 1.9 7.1 10.7#

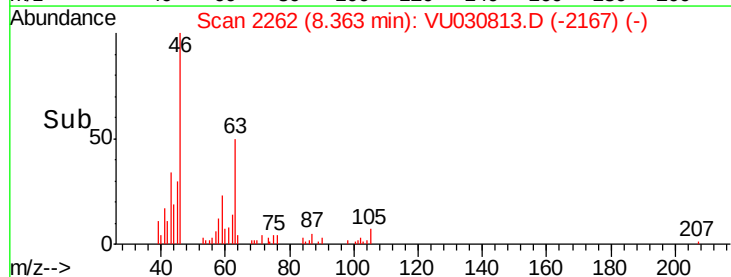
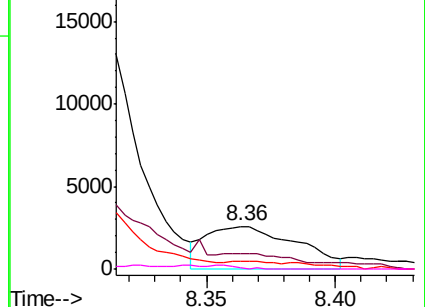


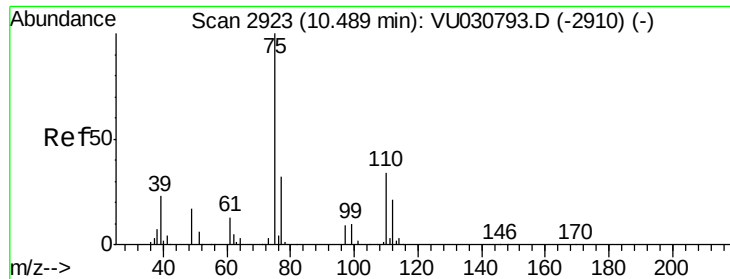
Abundance Ion 43.00 (42.70 to 43.70): VU030813.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU030813.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU030813.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU030813.D (-2167) (-)

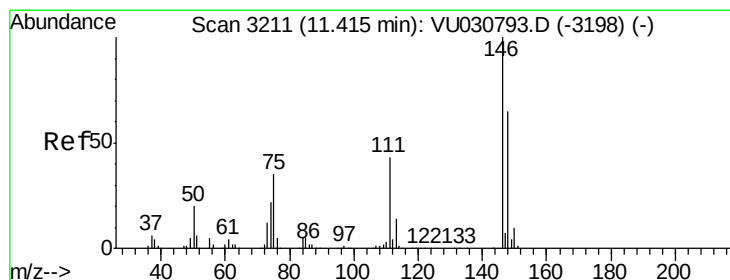
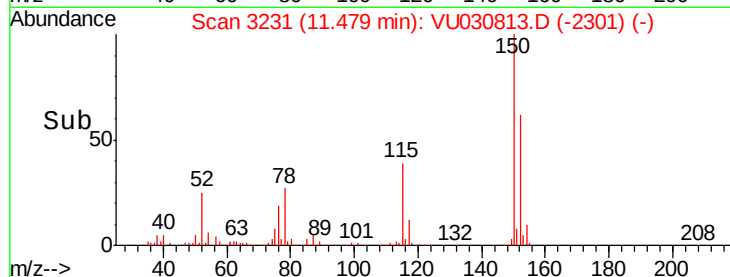
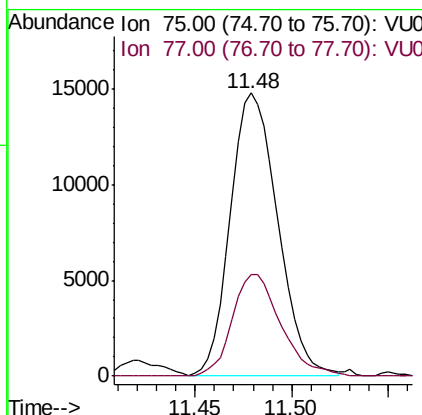
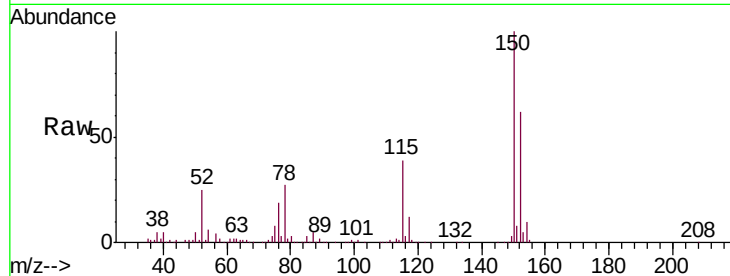




#59  
 1,2,3-Trichloropropane  
 Concen: 4.899 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU030813.D  
 Acq: 06 Apr 2019 20:08

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 MSVOA\_U  
 ClientSampleId :  
 DB6X9

Tgt Ion: 75 Resp: 25234  
 Ion Ratio Lower Upper  
 75 100  
 77 36.8 26.1 39.1



#62  
 1,3-Dichlorobenzene  
 Concen: 0.552 ug/L  
 RT: 11.42 min Scan# 3213  
 Delta R.T. 0.01 min  
 Lab File: VU030813.D  
 Acq: 06 Apr 2019 20:08

Tgt Ion: 146 Resp: 3306  
 Ion Ratio Lower Upper  
 146 100  
 111 48.6 30.9 57.5  
 148 59.7 44.7 82.9

